

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/06071

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/768

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/081787 A1 (BHUSARI DHANANJAY M ET AL) 27 June 2002 (2002-06-27) page 4, left-hand column, paragraph 34 -page 9, right-hand column, paragraph 82 page 11, left-hand column, paragraph 102 -right-hand column, paragraph 110 page 12, left-hand column, paragraph 119 -page 13, left-hand column, paragraph 134; figures 1A-D, 4A-H, 6A-I, 7A-H	1-10
A	EP 0 890 984 A (SIEMENS AG) 13 January 1999 (1999-01-13) cited in the application the whole document	1-10
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
 "&" document member of the same patent family

Date of the actual completion of the international search

20 April 2004

Date of mailing of the international search report

28/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Micke, K

INTERNATIONAL SEARCH REPORT

Int ional Application No

PCT/IB 03/06071

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 417 094 B1 (TSAU LIMING ET AL) 9 July 2002 (2002-07-09) column 5, line 9 - line 67 column 7, line 47 - line 63; figures 3C-F, 6A-C ----	1-10
A	WO 02/061823 A (ADVANCED MICRO DEVICES INC) 8 August 2002 (2002-08-08) page 8, paragraph 5 -page 9, paragraph 3; figures 3G-I ----	1-10
A	US 2002/175417 A1 (MORROW PATRICK) 28 November 2002 (2002-11-28) page 2, left-hand column, paragraph 17 page 2, left-hand column, paragraph 22 -page 3, left-hand column, paragraph 29 page 6, left-hand column, paragraph 59 - paragraph 62; figures 3, 4A-L, 6A-C ----	1-10
P, X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) -& JP 2003 203972 A (TOKYO ELECTRON LTD), 18 July 2003 (2003-07-18) abstract paragraph '0029! - paragraph '0047!; figures 6A-H -----	1-5, 7, 8, 10

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/06071

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002081787 A1	27-06-2002	US 2004038513 A1 AU 8861601 A EP 1352421 A2 WO 0219420 A2	26-02-2004 13-03-2002 15-10-2003 07-03-2002
EP 0890984 A	13-01-1999	US 6033977 A CN 1208947 A EP 0890984 A1 JP 11074356 A TW 399314 B	07-03-2000 24-02-1999 13-01-1999 16-03-1999 21-07-2000
US 6417094 B1	09-07-2002	TW 441015 B WO 0039849 A1	16-06-2001 06-07-2000
WO 02061823 A	08-08-2002	US 6514860 B1 TW 526590 B WO 02061823 A1	04-02-2003 01-04-2003 08-08-2002
US 2002175417 A1	28-11-2002	US 2002140104 A1	03-10-2002
JP 2003203972 A	18-07-2003	NONE	